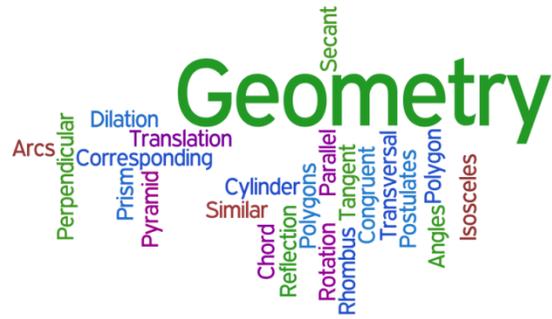
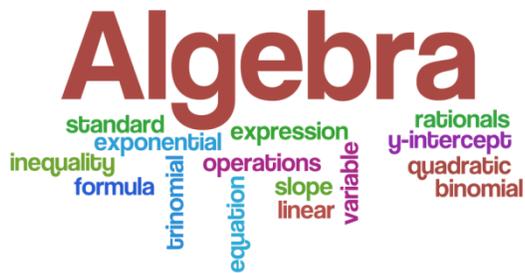


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# 7<sup>th</sup> Grade Math (Common Core)

## Southampton Intermediate School

2019 - 2020



This year, you will be taking 7<sup>th</sup> Grade Mathematics (Common Core). This is a rigorous course that spans through rational numbers, equations, geometry, and probability and statistics. Below you will find the course outline.

### Math 7 – Overview

#### **Ratios and Proportional Relationships**

- Analyze proportional relationships and use them to solve real-world and mathematical problems.

#### **The Number System**

- Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.

#### **Expressions and Equations**

- Use properties of operations to generate equivalent expressions.
- Solve real-life and mathematical problems using numerical and algebraic expressions and equations.

#### **Geometry**

- Draw, construct and describe geometrical figures and describe the relationships between them.
- Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

#### **Statistics and Probability**

- Use random sampling to draw inferences about a population.
  - Draw informal comparative inferences about two populations.
  - Investigate chance processes and develop, use, and evaluate probability models.
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### Classroom Materials Needed

- *School-issued iPad* - this must be charged and available to use during each class period. An uncharged iPad is equivalent to being unprepared for class.
- *Marble Notebook* - we use these often and must be brought to class every day. We will use them to take notes and/or homework assignments.
- *Pencils*- we will do a lot of graphing and some work on paper. Pen is not acceptable because it cannot be erased. I will have a classroom set, but supplies are limited.
- *Stylus Pen* - This is optional, but is helpful for keeping work neat and organized as we use the iPad for most of our work.
- *Scientific Calculator* - This will be provided for you (at times), but must return them when not in use. You do not need to buy your own.
- *Portable Battery (backup charger)* – This is 100% optional. It can be helpful in the event your child forgets to charge his/her iPad.

### Grading Policy

Assessments = 55%

Homework = 20%

Spiral Reviews = 25%

*Assessments* – Outside of traditional quizzes and tests, assessments can come in the form of short announced and unannounced quizzes. Not all exams are weighted equally, but collectively will count for the majority of your grade.

*Homework*- can be given up to 4 nights per week. It may not be lengthy, but it is very meaningful and should be given your best effort. Homework is checked the day after it is assigned. If a homework assignment is missed for another reason outside of an excused absence, you must make up the work with a late penalty.

*Spiral Reviews* – A weekly assignment given at the beginning of each week and is due at the end of the week, usually on Friday. The topics on any Spiral Review can come from any topic previously covered. It is given through a program called Delta Math and your work must be shown on the Spiral Review paper, located in the green basket near my desk. **My advice to you: DO NOT WAIT UNTIL THE DAY BEFORE IT IS DUE!**

### Extra Help

Extra help will be given at the beginning of each day. If you owe me work or need help with an assignment, you can visit me during this time. I am also available through e-mail.

I also encourage you to work with your peers. That **DOES NOT** mean I encourage you to copy off of one another. That would be a violation of the Code of Conduct, and we all know you wouldn't do that.

By signing, you agree that you understand and will uphold your responsibilities as a student in this class and do your best to contribute to a positive classroom environment.

Student Signature

Parent Signature

I look forward to a productive and successful year!

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